

LISTING OF CLAIMS:

Please replace all prior listings of claims as follows:

1. (Currently Amended) A calculus treatment apparatus comprising:

a first probe which transmits first mechanical energy to a distal end side thereof and pulverizes a calculus by the first mechanical energy;

a first mechanical energy generating device which is arranged on a proximal end side of the first probe and generates the first mechanical energy;

a second probe which transmits to a distal end side thereof, second mechanical energy different from the first mechanical energy and pulverizes the calculus by the second mechanical energy;

a second mechanical energy generating device which is arranged on a proximal end side of the second probe and generates the second mechanical energy different from the first mechanical energy,

a first driving signal generating circuit for generating a first driving signal to drive the first mechanical energy generating device;

a second driving signal generating circuit for generating a second driving signal to drive the second mechanical energy generating device;

a driving control device which can control the first and second driving signal generating circuits to generate the first and second driving signals respectively independently; and

wherein a probe arrangement structure is provided in which the first probe and the second probe are arranged substantially coaxially or concentrically, and the arrangement structure is formed by dividing a cylindrical-shaped or circular-tube-shaped structure in the longitudinal direction so that the first probe and the second probe have substantially the same central axis.

2-7.(Canceled)

8. (Original) A calculus treatment apparatus according to Claim 1, wherein a distal end of the second probe is positioned within or in a part of a moving range of a distal end of the first probe by the first mechanical energy.

9-10.(Canceled)

11. (Currently Amended) A calculus treatment apparatus according to ~~Claim 7~~ Claim 1, wherein the distal ends of the first and second probes are arranged so that the entire or at least a part of a stroke width of the ultrasonic vibration of the distal end of the second probe is overlapped to a moving stroke width upon pulverization using the distal end of the first probe.

12-13. (Canceled)

14. (Currently Amended) A calculus treatment apparatus according to ~~Claim 3~~
Claim 1, wherein the first probe is jointed to the second probe, thus forming a cylindrical
member for inserting the pulverized calculus.

15-17. (Canceled)

18. (Original) A calculus treatment apparatus according to Claim 1, wherein the
first mechanical energy generating device and the second mechanical energy generating
device are arranged adjacently in the longitudinal direction of the first probe and second
probe.

19. (Canceled)

20. (Currently Amended) A calculus treatment apparatus according to ~~Claim 4~~
Claim 1, wherein a projection portion projected in a side direction of the first probe is
arranged at the distal end of the first probe to removably attach to the calculus and for
selectively anchoring the first probe.

21. (Currently Amended) A calculus treatment system comprising:
a first probe which transmits first mechanical energy to a distal end side thereof
and pulverizes a calculus by the first mechanical energy;
a first mechanical energy generating device which is arranged on a proximal end
side of the first probe and generates the first mechanical energy;

a second probe which transmits to a distal end side thereof, second mechanical energy different from the first mechanical energy and pulverizes the calculus by the second mechanical energy;

a second mechanical energy generating device which is arranged on a proximal end side of the second probe and generates the second mechanical energy different from the first mechanical energy;

a driving device which supplies electric driving energy to generate the first and second mechanical energy in the first and second mechanical energy generating devices,

a first driving signal generating circuit for generating a first driving signal to drive the first mechanical energy generating device;

a second driving signal generating circuit for generating a second driving signal to drive the second mechanical energy generating device;

a driving control device which can control the first and second driving signal generating circuits to generate the first and second driving signals respectively independently; and

wherein a probe arrangement structure is provided in which the first probe and the second probe are arranged substantially coaxially or concentrically, and wherein the arrangement structure is formed by dividing a cylindrical-shaped or circular-tube-shaped structure in the longitudinal direction so that the first probe and the second probe have substantially the same central axis.

22-27. (Canceled)

28. (Previously Presented) A calculus treatment apparatus according to Claim 1,

wherein the first and second driving signal generating circuits have output setting units to perform variable-setting of output values of the first and second driving signals respectively.

29. (Canceled)

30. (Canceled)

31. (Previously Presented) A calculus treatment apparatus according to Claim 21, wherein the first and second driving signal generating circuits have output setting units to perform variable-setting of output values of the first and second driving signals respectively.

32. (Canceled)

33. (Canceled)